

INCH-POUND

MIL-PRF-6106K  
SUPPLEMENT 1  
01 December 1997

## PERFORMANCE SPECIFICATION

### RELAYS, ELECTROMAGNETIC GENERAL SPECIFICATION FOR

This supplement forms a part of Performance  
Specification MIL-PRF-6106K, dated 01 December 1997.

### SPECIFICATION SHEETS

- MIL-R-6106/9(USAF) - Relay, Electromagnetic, Continuous Duty, 60 AMP, 3 PDT, Environmentally Sealed.
- MIL-R-6106/10(USAF) - Relay, Electromagnetic, Normally Open, Continuous Duty, 60 AMP, 3 PST, Environmentally Sealed.
- MIL-R-6106/11(USAF) - Relay, Electromagnetic, Normally Closed, Continuous Duty, 60 AMP, 3 PST, Environmentally Sealed.
- MIL-R-6106/12(USAF) - Relay, Electromagnetic, (Type I), Magnetic Latch (Including Unsuppressed and Suppressed Coils), 2 Amperes, 1 PDT, Auxiliary Contacts, 25 Amperes, 3 PNO Main Contacts, Hermetically Sealed.
- MIL-R-6106/13(USAF) - Relay, Electromagnetic, 25 Amperes, 3 PST, NO, With 2 Ampere, 1 PDT Auxiliary Contacts, Hermetically Sealed, Permanent Magnet Drive, Type I.
- MIL-R-6106/14(USAF) - Relay, Electric, Permanent Drive, 50 AMP, SPDT (DB) Double Make Double Break Auxiliary Contacts (5 AMP), Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 10 MARCH 1989).
- MIL-R-6106/15(USAF) - Relay, Electromagnetic, 50 Amperes, DC, SPDT, Hermetically Sealed.
- MIL-R-6106/19(USAF) - Relay, Electromagnetic, Permanent Magnet Drive, 25 Amperes, SPDT, Hermetically Sealed.
- MIL-R-6106/20(USAF) - Relay, Electromagnetic, Magnetic Latch, 25 Amperes, SPDT, Hermetically Sealed.
- MIL-R-6106/26(USAF) - Relay, Electromagnetic, 50 Amperes, SPST, NC, With 5 Amperes SPDT Auxiliary, Hermetically Sealed.
- MIL-R-6106/31(USAF) - Relay, Electromagnetic, Relay Extraction Tool.

AMSC N/A

1 of 5

FSC 5945

DISTRIBUTION STATEMENT A. Approved for public release, distribution is unlimited.

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MIL-R-6106/32(USAF)	-	Relay, Electromagnetic, Socket Module Extraction Tool.
MIL-R-6106/33(USAF)	-	Relay, Electromagnetic, Type I, 400 Amperes, With 5 Amperes Auxiliary Contacts, Permanent Magnet Drive, Hermetically Sealed.
MIL-R-6106/35(USAF)	-	Relay, Electromagnetic, Button, Plug Mounting Track.
MIL-R-6106/38(USAF)	-	Relay, Electromagnetic, Magnetic Latch, Permanent Magnet Drive, Low Level to 5 Amperes, 2 PDT, All Welded, Hermetically Sealed.
MIL-R-6106/39(USAF)	-	Relay, Electromagnetic, Magnetic Latch, Permanent Magnet Drive, Low Level to 5 Amperes, 4 PDT, All Welded, Hermetically Sealed.
MIL-R-6106/40(USAF)	-	Relay, Electromagnetic, Magnetic Latch, Permanent Magnet Drive, Low Level to 10 Amperes, 3 PDT, All Welded, Hermetically Sealed.
MIL-R-6106/41(USAF)	-	Relay, Electromagnetic, 25 Amperes, 3 PNO, With 2 Ampere, 1 PDT Auxiliary Contacts, Hermetically Sealed, Type I.
MIL-R-6106/43(USAF)	-	Relay, Electromagnetic, 65 Amperes, 1 PNO Double Break, Hermetically Sealed, Type I.
MIL-R-6106/47(USAF)	-	Relay, Electromagnetic, 1000 Amperes, SPST, N.O., D.B., Type II, Non-hermetically Sealed (And Mounting Bracket), Metric.
MIL-R-6106/48	-	Relay, Electromagnetic, Type I, Hermetically Sealed, 100 Amperes, SPST (N.O.), With (Form 2) 5 Amperes Auxiliary Contacts.

MS STANDARDS

MS24140	-	Relay, 50 AMP, 1 PST, N.O. Type I, Hermetically Sealed.
MS24141	-	Relay, 100 AMP, 1 PST, N.O. Type I, Hermetically Sealed.
MS24142	-	Relay, 200 AMP, 1 PST, N.O. Type I, Hermetically Sealed.
MS24143	-	Relay, 25 AMP, 3 PST, N.O. Type I, Hermetically Sealed.
MS24149	-	Relay, Electromagnetic, 2 PDT, 10 Amperes, Type I, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUNE 1987)
MS24152	-	Relay, 25 AMP, 3 PDT, N.O. Type II, Non-Hermetically Sealed (Mechanically Interlocked). (INACTIVE FOR NEW DESIGN AFTER 27 MARCH 1994)
MS24166	-	Relay, 50 AMP, 1 PST, N.O. Type II, Non-Hermetically Sealed.
MS24168	-	Relay, 100 AMP, 3 PST, N.O., Type I, Hermetically Sealed.
MS24171	-	Relay, 200 AMP, 1 PST, N.O., Type II, Non- Hermetically Sealed.
MS24172	-	Relay, 200 AMP, 1 PST, N.O. Type III, Non- Hermetically Sealed, Intermittent Duty.
MS24178	-	Relay, 55 AMP, 2 PST, N.O. Type II, Non- Hermetically Sealed.
MS24179	-	Relay, 400 AMP, 1 PST, N.O. Type III, Non- Hermetically Sealed.
MS24182	-	Relay, 100 AMP, 1 PST, N.O. Type I, Hermetically Sealed.
MS24183	-	Relay, 200 AMP, 1 PST, N.O. Type I, Hermetically Sealed.
MS24184	-	Relay, 300 AMP, 1 PST, N.O., Type I, Hermetically Sealed.
MS24185	-	Relay, 400 AMP, 1 PST, N.O. Type II, Non-Hermetically Sealed.
MS24187	-	Relay, Electromagnetic, 50/25 Amperes, 1 PDT (NO/NC), Type II, Non-Hermetically Sealed.
MS24192	-	Relay, 25 Amperes, 3 PST, N.O. Type II, Non-Hermetically Sealed.
MS24193	-	Relay, Electromagnetic, 50 Amperes, 3 PST, N.O. Type II, Non-Hermetically Sealed.
MS24376	-	Relay, 50 AMPS, 3PST, N.O. TYPE I, Hermetically Sealed.
MS24568	-	Relay, Electromagnetic, 10 Amperes, 4 PDT, Type I, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUNE 1987)

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MS25024	-	Relay, 10 Amperes, 4 PDT, Sealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 11 DEC 84)
MS25030	-	Relay, 50 AMP, 2 PDT, N.O. Type II, Non-Hermetically Sealed, Mechanically Interlocked. (INACTIVE FOR NEW DESIGN AFTER 28 APR 95)
MS25031	-	Relay, 100 AMP, 2 PDT, N.O. Type II, Non-Hermetically Sealed, Mechanically Interlocked. (INACTIVE FOR NEW DESIGN AFTER 29 SEP 90)
MS25032	-	Relay, 200 AMP, 2 PDT, N.O. Type II, Non-Hermetically Sealed, Mechanically Interlocked. (INACTIVE FOR NEW DESIGN AFTER 28 SEP 90)
MS25033	-	Relay, 200 AMP, 1 PST, Sealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 18 JAN 87)
MS25035	-	Relay, 25 AMP, 1 PST, Sealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 14 NOV 79)
MS25267	-	Relays, Electromagnetic, 5 Amperes, 4 PDT, Type I, Solder Hook, Hermetically Sealed.
MS25268	-	Relays, Electromagnetic, 5 Amperes, 4 PDT, Type I, Potted Lead, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25269	-	Relays, Electromagnetic, 5 Amperes, 6 PDT, Type I, Hermetically Sealed.
MS25270	-	Relays, Electromagnetic, 5 Amperes, 6 PDT, Type I, Potted Lead, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25271	-	Relays, Electromagnetic, 10 Amperes, 4 PDT, Type I, Solder Hook, Hermetically Sealed.
MS25272	-	Relays, Electromagnetic, 10 Amperes, 4 PDT, Type I, Potted Lead, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25273	-	Relays, Electromagnetic, 10 Amperes, 2 PDT, Type I, Solder Terminals, Stud Mounted, Hermetically Sealed.
MS25321	-	Relays, Electromagnetic, 5 Amperes, 2 PDT, Type I, Socket Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25323	-	Relays, Electromagnetic, 10 Amperes, 2 PDT, Type I, Socket Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25325	-	Relays, Electromagnetic, 5 Amperes, 4 PDT, Type I, Socket Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25327	-	Relays, Electromagnetic, 10 Amperes, 4 PDT, Type I, Socket Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25329	-	Relays, Electromagnetic, 5 Amperes, 6 PDT, Type I, Socket Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 30 SEPT 87)
MS25395	-	Relays, Electromagnetic, 5 Amperes, 2 PDT, Type I, Hermetically Sealed.
MS25455	-	Relays, Electromagnetic, 5 Amperes, 2 PDT, Type I, Magnetic Latch, Socket Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25457	-	Relays, Electromagnetic, 10 Amperes, 2 PDT, Type I, Magnetic Latch, Socket Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)

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MS25459	-	Relays, Electromagnetic, 5 Amperes, 4 PDT, Type I, Magnetic Latch, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25461	-	Relays, Electromagnetic, 10 Amperes, 4 PDT, Type I, Magnetic Latch, Socket Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25463	-	Relays, Electromagnetic, 5 Amperes, 6 PDT, TYPE I, Magnetic Latch, Socket Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 30 SEPT 87)
MS25465	-	Relays, Electromagnetic, 5 Amperes, 2 PDT, Type I, Magnetic Latch, Solder Terminals, Stud Mounted, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25466	-	Relays, Electromagnetic, 10 Amperes, 2 PDT, Type I, Magnetic Latch, Stud Mounted, Solder Hooks, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS25467	-	Relays, Electromagnetic, 5 Amperes, 4 PDT, Type I, Magnetic Latch, Solder Terminal, Stud Mounted, Hermetically Sealed.
MS25468	-	Relays, Electromagnetic, 10 Amperes, 4 PDT, Type I, Magnetic Latch, Solder Terminal, Stud Mounted, Hermetically Sealed.
MS25469	-	Relays, Electromagnetic, 5 Amperes, 6 PDT, Type I, Magnetic Latch, Solder Terminals, Stud Mounted, Hermetically Sealed.
MS25917	-	Relays, Electromagnetic, 3 Amperes, 4 PDT, Type I. (INACTIVE FOR NEW DESIGN AFTER 2 MAR 87)
MS25918	-	Relay, 3 AMP, 6 PDT, Sealed, Class B8. (INACTIVE FOR NEW DESIGN AFTER 14 AUG 81)
MS25919	-	Relays, Electromagnetic, 10 Amperes, 4 PDT, Type I. (INACTIVE FOR NEW DESIGN AFTER 2 MAR 87)
MS27222	-	Relay, 50 AMP, 3 PST, N.O. Type I, Hermetically Sealed.
MS27242	-	Relay, 100 AMP, 1 PST, N.O., Type I, Hermetically Sealed.
MS27243	-	Terminal Covers - Relay.
MS27245	-	Relays, Electromagnetic, 10 Amperes, 2 PDT, Type I, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS27247	-	Relays, Electromagnetic, 10 Amperes, 2 PDT, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS27254	-	Relays, Electromagnetic, 10 Amperes, 4 PDT, Type I, Plug-In, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS27255	-	Relays, Electromagnetic, 10 Amperes, 4 PDT, Type I, Solder Hooks, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS27418	-	Relays, Electromagnetic, 25 Amperes, 3 PST - NO, Type I, Hermetically Sealed, Hook and Screw Terminals, Stud and Bracket Mounted.
MS27706(USAF)	-	Relays, Electromagnetic, 20 Amperes, 3 PST, Mechanical Interlock, (Center Off) Load Transfer, Type I, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 8 SEP 95)
MS27709	-	Relays, Electromagnetic, 10 Amperes, 4 PDT, Type I, Hermetically Sealed. (INACTIVE FOR NEW DESIGN AFTER 5 JUN 87)
MS27714(USAF)	-	Relay, 75 AMP, 3 PST, N.O., Type I, Coil and Contacts Individually Sealed. (INACTIVE FOR NEW DESIGN AFTER 27 MAR 95)
MS27715(USAF)	-	Relay, 150 AMP, 3 PST, N.O., Type I, Coil and Contacts Individually Sealed. (INACTIVE FOR NEW DESIGN AFTER 27 MAR 95)
MS27742(USAF)	-	Relay, Magnetic Latch, 25 AMP, 3 PDT, All Welded, Hermetically Sealed.
MS27743(USAF)	-	Relay, 25 AMP, 3 PDT, All Welded, Hermetically Sealed, Permanent Magnet Drive.

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MS27749(85)	-	Relays, Electromagnetic, 60 Amperes, 3 PDT, Magnetic Latch, Hermetically Sealed.
MS27750(85)	-	Relays, Electromagnetic, 50 Amperes, 3 PDT-NO., Center Off, Hermetically Sealed.
MS27751(85)	-	Relays, Electromagnetic, 60 Amperes, 3 PST or 3 PDT, Hermetically Sealed, Permanent Magnet Drive.
MS27997	-	Relay, 25 AMP, 3 PST, N.O. Type I, Hermetically Sealed.
AN3303	-	Relay, 3 AMP, 4 PDT, Sealed, Connector Mounting, Class O. (INACTIVE FOR NEW DESIGN AFTER 17 NOV 54)
AN3304	-	Relay, 3 AMP, 4 PDT, Sealed, Panel Mounting, Class O. (INACTIVE FOR NEW DESIGN AFTER 19 MAY 59)
AN3306	-	Relay, 10 AMP, 2 PDT, Sealed, Connector Mounting, Class O. (INACTIVE FOR NEW DESIGN AFTER 17 NOV 54)
AN3307	-	Relay, 10 AMP, 2 PDT, Sealed, Panel Mounting, Class O. (INACTIVE FOR NEW DESIGN AFTER 24 FEB 60)
AN3308	-	Relay, 10 AMP, 3 PDT, Sealed, Connector Mounting, Class O. (INACTIVE FOR NEW DESIGN AFTER 17 NOV 54)
AN3310	-	Relay, 10 AMP, 4 PDT, Sealed, Connector Mounting, Class O. (INACTIVE FOR NEW DESIGN AFTER 17 NOV 54)
AN3312	-	Relay, 10 AMP, 3 PDT, Sealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 14 MAR 55)
AN3314	-	Relay, 10 AMP, 1 PDT, Unsealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 17 NOV 54)
AN3316	-	Relay, 10 AMP, 2 PDT, Unsealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 17 NOV 54)
AN3320	-	Relay, 25 AMP, 1 PST, Unsealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 15 JUN 55)
AN3324	-	Relay, 25 AMP, 1 PDT, Unsealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 22 JUN 55)
AN3335	-	Relay, 5 AMP, 3 PST, Unsealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 17 DEC 57)
AN3337	-	Relay, 25 AMP, 1 PST, Unsealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 17 DEC 57)
AN3362	-	Relay, 100 AMP, 2 PST, Unsealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 30 AUG 57)
AN3372	-	Relay, 200 AMP, 2 PST, Unsealed, Class O. (INACTIVE FOR NEW DESIGN AFTER 25 NOV 57)

Preparing Activity:  
Air Force - 85

Agent:  
DLA - CC

(Project 5945-1022)